Amendments to the Specification:

Please replace the paragraph beginning on page 1, line 4 with the following rewritten paragraph:

Reference is made to commonly assigned pending U.S. Patent
Application Serial No. <u>10/823,446</u> [] filed <u>April 13, 2004</u>
herewith entitled CONTAINER FOR INHIBITING MICROBIAL GROWTH IN
LIQUID NUTRIENTS by David L. Patton, Joseph F. Bringley, Richard W. Wien
John M. Pochan, Yannick J. F. Lerat (docket 87472); pending U.S. Patent
Application Serial No. 10/823,443 [] filed April 13, 2004 herewith
entitled USE OF DERIVATIZED NANOPARTICLES TO MINIMIZE
GROWTH OF MICRO-ORGANISMS IN HOT FILLED DRINKS by Richard
W. Wien, David L. Patton, Joseph F. Bringley, Yannick J. F. Lerat (docket
87471); pending U.S. Patent Application Serial No. 10/822,945 [] filed
April 13, 2004 herewith entitled ARTICLE FOR INHIBITING MICROBIAL
GROWTH IN PHYSIOLOGICAL FLUIDS by Joseph F. Bringley, David L.
Patton, Richard W. Wien, Yannick J. F. Lerat (docket 87833); pending U.S.
Patent Application Serial No. 10/822,940 [] filed April 13, 2004
herewith entitled DERIVATIZED NANOPARTICLES COMPRISING METAL-
ION SEQUESTRAINT by Joseph F. Bringley (docket 87428); and pending U.S.
Patent Application Serial No. 10/822,929 [] filed April 13, 2004
herewith entitled COMPOSITION OF MATTER COMPRISING POLYMER
AND DERIVATIZED NANOPARTICLES by Joseph F. Bringley, Richard W.
Wien, Richard L. Parton David L. Patton (DOCKET 87708), and pending U.S.
Patent Application Serial No. 10/822,939 [] filed April 13, 2004
herewith entitled COMPOSITION COMPRISING INTERCALATED METAL-
ION SEQUESTRANTS by Joseph F. Bringley, David L. Patton, Richard W.
Wien (docket 87765) the disclosures of which are incorporated herein by
reference

Please replace the paragraph beginning on page 12, line 27 with the following rewritten paragraph:

--In a preferred embodiment the packaging material comprises derivatized nanoparticles comprising inorganic nanoparticles having an attached metal-ion sequestrant, wherein said inorganic nanoparticles have an average

particle size of less than 200 nm and the derivatized nanoparticles have a stability constant greater than 10¹⁰ with iron (III). It is further preferred that the derivatized nanoparticles have a stability constant greater than 10²⁰ with iron (III). The derivatized nanoparticles are preferred because they have very high surface area and may have a very high-affinity for the target metal-ions. It is preferred that the nanoparticles have an average particle size of less than 100 nm. It is further preferred that the nanoparticles have an average size of less than 50 nm, and most preferably less than 20 nm. Preferably greater than 95% by weight of the nanoparticles are less than 200 nm, more preferably less than 100 nm, and most preferably less than 50 nm. This is preferred because as the particle size becomes smaller, the particles scatter visible-light less strongly. Therefore, the derivatized nanoparticles can be applied to clear, transparent surfaces without causing a hazy or a cloudy appearance at the surface. This allows the particles of the present invention to be applied to packaging materials without changing the appearance of the item. It is preferred that the nanoparticles have a very high surface area, since this provides more surface with which to covalently bind the metal-ion sequestrant, thus improving the capacity of the derivatized nanoparticles for binding metal-ions. It is preferred that the nanoparticles have a specific surface area of greater than 100 m²/g, more preferably greater than 200 m²/g, and most preferably greater than 300 m²/g. For applications of the invention in which the concentrations of contaminant or targeted metal-ions in the environment is high, it is preferred that the nanoparticles have a particle size of less than 20 nm and a surface area of greater than 300 m²/g. Derivatized nanoparticles are described at length in pending U.S. Patent Application Serial No. 10/822,940 [_____] filed April 13, 2004 herewith entitled DERIVATIZED NANOPARTICLES COMPRISING METAL-ION SEQUESTRAINT by Joseph F. Bringley.--

Please replace the paragraph beginning on page 19, line 13 with the following rewritten paragraph:

--Now referring to Figures 3a and 3b, there is illustrated a side view of a rigid packaging material formed into a polystyrene tray 100 made in accordance with the present invention. Figure 4 illustrates an enlarged partial cross-sectional view of the polystyrene tray 100 of Figure 3. Figure 5 illustrates

